WEST Search History

Updated Search RP

Hide Items | Restore | Clear | Cancel

DATE: Friday, September 02, 2005

Hide?	Set Name	Query	Hit Count
		DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR	
☐	L1	gatc	2396
☐	L2	L1 and (bordetell$ or neisseria or meningitis or yersinia or shigella or pasteurell$ or hemophilus or haemophilus or treponema)	213
☐	L3	L1 and (bordetell$ or neisseria or meningitis or yersinia or shigella or pasteurell$ or hemophilus or haemophilus or treponema).ti,ab,clm.	23
		DB=PGPB; PLUR=YES; OP=OR	
☐	L4	US-20020077272-A1.did.	1
		DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR	
☐	L5	methyltransferases.ti,ab,clm. or dam.ti,ab,clm. (methylat$ near5 adenin$).ti,ab,clm.	24136
☐	L6	L5 and l1	48
☐	L7	L6 not l3	40
		DB=PGPB; PLUR=YES; OP=OR	
☐	L8	US-20020086332-A1.did.	1

END OF SEARCH HISTORY

NCBI PubMed National Library of Medicine NLM My NC [Sign In] [Regis

All Databases PubMed Nucleotide Protein Genome Structure OMIM PMC Journals Book

Search PubMed for Go Clear

Limits Preview/Index History Clipboard Details

Display Abstract Show 20 Sort by Send to

All: 1 Review: 0

About Entrez

Text Version

Entrez PubMed
Overview
Help | FAQ
Tutorial
New/Noteworthy
E-Utilities

PubMed Services
Journals Database
MeSH Database
Single Citation Matcher
Batch Citation Matcher
Clinical Queries
Special Queries
LinkOut
My NCBI (Cubby)

Related Resources
Order Documents
NLM Mobile
NLM Catalog
NLM Gateway
TOXNET
Consumer Health
Clinical Alerts
ClinicalTrials.gov
PubMed Central

1: Ukr Biokhim Zh. 1983 Sep-Oct;55(5):489-93. Related Articles, Links

[DNA-methyltransferase of the plague microbe]

[Article in Russian]

Demidova GV, **Skopich AA**, **Ziuzina VP**, **Tynianova VI**.

DNA-methyltransferases of Yersinia pestis EV, plague agent bacteria were isolated by P-II phosphocellulose chromatography. The methylating activity is eluated by two fractions at the 0.47 M and 0.53 M NaCl concentrations. Methylases of the plague microbe are specific with respect to two bases (adenine and cytosine) and are capable of modifying both native and denaturated form of DNA.

PMID: 6636308 [PubMed - indexed for MEDLINE]

Display Abstract Show 20 Sort by Send to

Write to the Help Desk
NCBI | NLM | NIH
Department of Health & Human Services
Privacy Statement | Freedom of Information Act | Disclaimer

Aug 31 2005 04:29:13

: Demidova GV, Goncharov EK, Tynianova VI. Related Articles, Links

[Comparison of specific recognition sites of adenine and cytosine DNA-methylase of Yersinia Pestis EV 76 C dam and dcm by Escherichia coli methylases]

Biokhimiia. 1984 Oct;49(10):1594-7. Russian.
PMID: 6097301 [PubMed - indexed for MEDLINE]

Gene. 1994 Mar 11;140(1):67-71. Related Articles, Links

The DNA adenine methyltransferase-encoding gene (dam) of Vibrio cholerae.

Bandyopadhyay R, Das J.

Biophysics Division, Indian Institute of Chemical Biology, Calcutta.

The DNA adenine methyltransferase (MTase)-encoding gene (dam) of Vibrio cholerae, an organism belonging to the family Vibrionaceae, has been cloned and the complete nucleotide (nt) sequence determined. V. cholerae dam encodes a 21.5-kDa protein and is directly involved in methyl-directed DNA mismatch repair. It can substitute for the Escherichia coli enzyme and can suppress the phenotypic traits associated with E. coli dam mutants. Overproduction of V. cholerae Dam MTase does not result in hypermutability in either V. cholerae or E. coli cells. Overproduction of V. cholerae Dam in a pUC plasmid, however, fails to suppress the 2-aminopurine (2-AP)-sensitive phenotype of E. coli dam mutants. Homology between the nt and deduced amino acid (aa) sequences of the E. coli and V. cholerae dam genes is only 30-35%.

PMID: 8125341 [PubMed - indexed for MEDLINE]

UniProtKB/Swiss-Prot family/domain classification: N4/N6-methyltransferase family

Family/domain

N4/N6-methyltransferase family

Hierarchical classification

all families and domains
- family
  - **N4/N6-methyltransferase family**
    - N4/N6-methyltransferase family. N4 subfamily

CC SIMILARITY line

This is the list of all UniProtKB/Swiss-Prot entries containing the line:

```
CC -!- SIMILARITY: Belongs to the N4/N6-methyltransferase family.
```

extracted from the index of CC SIMILARITY lines.

UniProtKB/Swiss-Prot entries

N4/N6-methyltransferase family

DMA7_ECOLI	(P21311),	DMA_BPT2	(P12427),	DMA_BPT4	(P04392),
DMA_ECOLI	(P00475),	DMA_HAEIN	(P44431),	DMA_SALTI	(P0A292),
DMA_SALTY	(P0A291),	DMA_SERMA	(P45454),	DMA_TREPA	(O33844),
DMA_VIBCH	(Q08318),	MT1A_MORBO	(P34720),	MT1B_MORBO	(P34721),
MT57_ECOLI	(P25240),	MTA1_ACICA	(P25201),	MTA1_AZOBR	(P58284),
MTB1_BACAM	(P23941),	MTB1_BACSU	(O68556),	MTB1_BRUAB	(O30570),
MTB3_BACAR	(P22772),	MTBB_BACSU	(P33563),	MTC1_BACST	(P43423),
MTC1_CAUCR	(Q45971),	MTC1_PBCVC	(Q01511),	MTC2_PBCV1	(P31118),
MTC3_PBCVC	(P10835),	MTD21_STRPN	(P04043),	MTD22_STRPN	(P09358),
MTE1_ECOLI	(P00472),	MTE5_ECOLI	(P04393),	MTEC_ENTCL	(P14827),
MTF1_FLAOK	(P14871),	MTH1_HAEIN	(P20590),	MTH1_HAEPA	(P29538),
MTH2_HAEHA	(P00473),	MTH3_HAEIN	(P43871),	MTHB_HAEPH	(P50193),
MTHC_HAEIN	(P17744),	MTHD_HAEIN	(P44414),	MTK1_KLEPN	(P25238),
MTL1_LACLA	(P35516),	MTL21_LACLC	(P50179),	MTL22_LACLC	(P50178),
MTM1_MICAM	(P50190),	MTM2_MORBO	(P23192),	MTM3_METJA	(Q58015),
MTMU_MYCSP	(P43641),	MTN3_NEILA	(P24582),	MTP7_PSEAE	(P05103),
MTPS_PROST	(P00474),	MTR1_PBCVX	(P52284),	MTR1_RHOSH	(P14751),
MTS1_RHIME	(O30569),	MTS1_STRAL	(Q53609),	MTS1_STRSA	(P29347),
MTT8_THET8	(P29749),	MTTA_THEAQ	(P14385),	MTV1_BACST	(P43422),
MTV1_VIBS3	(Q03055),	MTX1_XANCO	(Q9KVZ8),	MTX1_XANCR	(P96188),
T1M1_ECOLI	(P10484),	T1MD_MYCPN	(P75436),	T1ME_ECOLI	(Q47282),
T1MH_HAEIN	(Q57168),	T1MH_METJA	(Q60297),	T1MK_ECOLI	(P08957),
T1MP_ECOLI	(Q47163),	T1M_SALPO	(P07989),	T1M_SALTY	(P40813),
T3MH_HAEIN	(P71366),	T3MO_BPP1	(P08763),	T3MO_ECOLI	(P12364),
T3MO_SALTY	(P40814),	Y108_MYCPN	(P75561),	Y111_MYCPN	(P75451),

Y1201_HAEIN (P45106), Y1220_METJA (Q58617), Y132_METJA (Q57596),
Y1368_XYLFA (Q9PDL1), Y1655_NEIMB (Q9JYC0), Y1678_PSEAE (Q9I347),
Y184_MYCGE (Q49400), Y1912_NEIMA (Q9JTA1), Y198_MYCPN (Q50290),
Y2118_VIBCH (Q9KQ83), Y3402_METJA (Q60301), Y390_PASMU (Q9CNN7),
Y606_XYLFT (Q87DS5), YFCB_ECOLI (P39199), YFCB_SALTI (P0A294),
YFCB_SALTY (P0A293), YFCB_VIBAN (P39200), YHDJ_ECOLI (P28638),
YO13_BPHP1 (P51715)

N4/N6-methyltransferase family. N4 subfamily
MTA1_ANASP (P0A461), MTA1_ANAVA (P0A462), MTB1_BACSQ (Q9LAI2),
MTB1_BACST (P70986), MTB2_BACAM (P18051), MTB2_BACSU (Q45489),
MTC1_CITFR (Q04845), MTC9_CITFR (P14243), MTHZ_METTF (P29568),
MTM1_METJA (Q58392), MTM2_METJA (Q58843), MTM5_METJA (Q58893),
MTM6_METJA (Q58606), MTMV_MICVA (P14244), MTMW_METWO (O59647),
MTP2_PROVU (P11409), MTS1_STRCS (O52692), MTS1_STRFI (O52513),
MTSM_SERMA (P14230), MTX1_XANCC (P30774)

ExPASy Home page Site Map Search ExPASy Contact us Swiss-Prot

Search Swiss-Prot/TrEMBL for DNA adenine methyltr Go Clear

Search in UniProt Knowledgebase (Swiss-Prot and TrEMBL) for: DNA adenine methyltransferase

UniProtKB/Swiss-Prot Release 47.8 of 30-Aug-2005
UniProtKB/TrEMBL Release 30.8 of 30-Aug-2005

- Number of sequences found in UniProt Knowledgebase (Swiss-Prot$_{(10)}$ and TrEMBL)$_{(112)}$: **122**
- Note that the selected sequences can be saved to a file to be later retrieved; to do so, go to the bottom of this page.
- For more directed searches, you can use the Sequence Retrieval System SRS.

Search in UniProtKB/Swiss-Prot: There are matches to 10 out of 192799 entries

DMA_BPT2 (**P12427**)
DNA adenine methylase (EC 2.1.1.72) (Deoxyadenosyl-methyltransferase) (M.EcoT2Dam). {GENE: Name=DAM} - Bacteriophage T2

DMA_BPT4 (**P04392**)
DNA adenine methylase (EC 2.1.1.72) (Deoxyadenosyl-methyltransferase) (M.EcoT4Dam). {GENE: Name=DAM} - Bacteriophage T4

DMA_ECOLI (**P00475**)
DNA adenine methylase (EC 2.1.1.72) (Deoxyadenosyl-methyltransferase) (DNA adenine methyltransferase) (M.EcoDam). {GENE: Name=dam; OrderedLocusNames=b3387, z4740, ECs4229} - Escherichia coli, Escherichia coli O157:H7

DMA_HAEIN (**P44431**)
DNA adenine methylase (EC 2.1.1.72) (Deoxyadenosyl-methyltransferase) (DNA adenine methyltransferase) (M.HindIV). {GENE: Name=dam; Synonyms=hindIVM; OrderedLocusNames=HI0209} - Haemophilus influenzae

DMA_SALTI (**P0A292**)
DNA adenine methylase (EC 2.1.1.72) (Deoxyadenosyl-methyltransferase) (DNA adenine methyltransferase) (M.StyDam). {GENE: Name=dam; OrderedLocusNames=STY4312, t4022} - Salmonella typhi

DMA_SALTY (**P0A291**)
DNA adenine methylase (EC 2.1.1.72) (Deoxyadenosyl-methyltransferase) (DNA adenine methyltransferase) (M.StyDam). {GENE: Name=dam; OrderedLocusNames=STM3484} - Salmonella typhimurium

DMA_SERMA (**P45454**)
DNA adenine methylase (EC 2.1.1.72) (Deoxyadenosyl-methyltransferase) (DNA adenine methyltransferase) (M.SmaII). {GENE: Name=dam} - Serratia marcescens

DMA_TREPA (**O33844**)

DNA adenine methylase (EC 2.1.1.72) (Deoxyadenosyl-methyltransferase) (DNA adenine methyltransferase) (M.TpaI). {GENE: Name=dam; OrderedLocusNames=TP0810} - Treponema pallidum

DMA_VIBCH (**Q08318**)

DNA adenine methylase (EC 2.1.1.72) (Deoxyadenosyl-methyltransferase) (DNA adenine methyltransferase) (M.VchADam). {GENE: Name=dam; OrderedLocusNames=VC2626} - Vibrio cholerae

MTM2_MORBO (**P23192**)

Modification methylase MboII (EC 2.1.1.72) (Adenine-specific methyltransferase MboII) (M.MboII) (DNA MTase MboIIA). {GENE: Name=mboIIM} - Moraxella bovis

☐ 1: Biochem Biophys Res Commun. 1989 Dec 15;165(2):561-7. Related Articles, Links

A mutation in the dam gene of Vibrio cholerae: 2-aminopurine sensitivity with intact GATC methylase activity.

Bandyopadhyay R, **Sengupta A**, **Das J**.

Biophysics Division, Indian Institute of Chemical Biology, Calcutta.

Vibrio cholerae mutants sensitive to 2-aminopurine (2AP) but with DNA adenine methylase activity similar to parental cells have been isolated. The mutant strains were sensitive to ultraviolet light (UV), methyl methane sulphonate (MMS) and 9-aminoacridine. The spontaneous mutation frequency of the mutants were not significantly affected. Attempts to isolate dam V. cholerae cells by screening 2AP sensitive cells have not been successful. All the mutant phenotypes could be suppressed by introducing the plasmid pRB103 carrying the dam gene of Escherichia coli into the mutant cells.

PMID: 2688642 [PubMed - indexed for MEDLINE]

NCBI PubMed National Library of Medicine NLM My NC [Sign In] [Regis

All Databases PubMed Nucleotide Protein Genome Structure OMIM PMC Journals Book

Search PubMed for Go Clear

Limits Preview/Index History Clipboard Details

Display Abstract Show 20 Sort by Send to

About Entrez

Text Version

All: 1 Review: 0

Entrez PubMed
Overview
Help | FAQ
Tutorial
New/Noteworthy
E-Utilities

PubMed Services
Journals Database
MeSH Database
Single Citation Matcher
Batch Citation Matcher
Clinical Queries
Special Queries
LinkOut
My NCBI (Cubby)

Related Resources
Order Documents
NLM Mobile
NLM Catalog
NLM Gateway
TOXNET
Consumer Health
Clinical Alerts
ClinicalTrials.gov
PubMed Central

1: Biokhimiia. 1984 Oct;49(10):1594-7. Related Articles, Links

[Comparison of specific recognition sites of adenine and cytosine DNA-methylase of Yersinia Pestis EV 76 C dam and dcm by Escherichia coli methylases]

[Article in Russian]

Demidova GV, Goncharov EK, Tynianova VI.

Using enzymatic modelling of in vitro methylation of chromosome DNAs from Yersinia pestis EV 76, E. coli 834 and E. coli C600 RII by DNA methylases of Eco RII and Eco dam as well as of DNA hydrolysis of plasmid pBR 322 from the cells of Y. pestis EV 76, E. coli C600 and E. coli 834 by restrictases of Eco RII and Cfu I, it was found that cytosine DNA methylase from plague bacteria does not correspond to the type of RII methylases of E. coli. Adenyl DNA methylase is related to E. coli methylases type dam and modifies adenine in the nucleotide sequence of GATC.

PMID: 6097301 [PubMed - indexed for MEDLINE]

Display Abstract Show 20 Sort by Send to

Write to the Help Desk
NCBI | NLM | NIH
Department of Health & Human Services
Privacy Statement | Freedom of Information Act | Disclaimer

Aug 31 2005 04:29:13

NCBI PubMed National Library of Medicine NLM My I [Sign In] [Reg

All Databases PubMed Nucleotide Protein Genome Structure OMIM PMC Journals Bc

Search PubMed for Preview Go C

Limits Preview/Index History Clipboard Details

- Search History will be lost after eight hours of inactivity.
- To combine searches use # before search number, e.g., #2 AND #6.
- Search numbers may not be continuous; all searches are represented.
- Click on query # to add to strategy

Search	Most Recent Queries	Time	Result
#10	Search **DNA adenine methyltransferase** Sort by: **PublicationDate**	15:32:25	925
#3	**Related Articles** for **PubMed** (Select **6097301**)	15:16:51	413
#1	Search **yersinia gatc**	14:53:28	1

Clear History

About Entrez

Text Version

Entrez PubMed
Overview
Help | FAQ
Tutorial
New/Noteworthy
E-Utilities

PubMed Services
Journals Database
MeSH Database
Single Citation Matcher
Batch Citation Matcher
Clinical Queries
Special Queries
LinkOut
My NCBI (Cubby)

Related Resources
Order Documents
NLM Mobile
NLM Catalog
NLM Gateway
TOXNET
Consumer Health
Clinical Alerts
ClinicalTrials.gov
PubMed Central

Write to the Help Desk
NCBI | NLM | NIH
Department of Health & Human Services
Privacy Statement | Freedom of Information Act | Disclaimer

Aug 31 2005 04:29:13

20050176019. 10 Feb 04. 11 Aug 05. Method for identification of the location of mutations in whole genomes. Beutel, Bruce A., et al. 435/6; 435/471 702/20 C12Q001/68 G06F019/00 G01N033/48 G01N033/50 C12N015/74.

☐ 2. 20050131222. 05 Nov 04. 16 Jun 05. Nucleotide sequence of the haemophilus influenzae Rd genome, fragments thereof, and uses thereof. Fleischmann, Robert D., et al. 536/23.7; C07H021/04.

☐ 3. 20050026189. 28 May 04. 03 Feb 05. Microbial operons. Wang, Liangsu, et al. 435/6; 702/20 C12Q001/68 G06F019/00 G01N033/48 G01N033/50.

☐ 4. 20040259833. 25 Jun 04. 23 Dec 04. DNA methyl transferase inhibitors. Benkovic, Stephen J., et al. 514/46; 514/263.2 514/263.4 536/27.4 544/277 A61K031/7076 C07H019/19 A61K031/52.

☐ 5. 20040235766. 31 Oct 03. 25 Nov 04. System for discovery of agents that block yersinia pestis and pseudomonas aeruginosa dna replication. Bullard, James M., et al. 514/44; 435/6 A61K048/00 C12Q001/68.

☐ 6. 20040203093. 03 Jun 02. 14 Oct 04. NUCLEOTIDE SEQUENCE OF THE HAEMOPHILUS INFLUENZAE RD GENOME, FRAGMENTS THEREOF, AND USES THEREOF. Fleischmann, Robert D., et al. 435/69.1; 435/320.1 435/325 435/6 536/23.2 702/20 C12Q001/68 G06F019/00 G01N033/48 G01N033/50 C07H021/04.

☐ 7. 20040018503. 27 Dec 02. 29 Jan 04. Nucleotide sequence of the haemophilus influenza Rd genome, fragments thereof, and uses thereof. Fleischmannn, Robert D., et al. 435/6; 435/252.3 435/320.1 435/69.3 530/350 530/388.4 536/23.7 C12Q001/68 C07H021/04 C12P021/02 C12N001/21 C07K014/195 C12N015/74.

☐ 8. 20020086332. 09 Aug 01. 04 Jul 02. Method of reducing bacterial proliferation. Mahan, Michael J., et al. 435/7.1; G01N033/53.

☐ 9. 20020086032. 09 Aug 01. 04 Jul 02. Producing antibodies with attenuated bacteria with altered DNA adenine methylase activity. Mahan, Michael J., et al. 424/200.1; 435/252.3 A61K039/02 C12N001/21.

☐ 10. 20020081317. 09 Aug 01. 27 Jun 02. Bacteria with altered DNA adenine methylase (DAM) activity and heterologous epitope. Mahan, Michael J., et al. 424/200.1; 435/252.3 435/320.1 A61K039/02 C12N001/21 C12N015/74.

☐ 11. 20020077272. 09 Aug 01. 20 Jun 02. Reducing bacterial virulence. Mahan, Michael J., et al. 514/1; 514/263.4 A61K031/00 A61K031/52.

☐ 12. 20020076722. 10 Sep 01. 20 Jun 02. Antibiotic hypersusceptibility mutations in bacteria. Neyfakh, Alexander A., et al. 435/6; 435/34 435/471 C12Q001/68 C12Q001/04 C12N015/74.

☐ 13. 20020076417. 09 Aug 01. 20 Jun 02. Attenuated bacteria with altered DNA adenine methylase activity. Mahan, Michael J., et al. 424/200.1; 435/252.3 435/252.33 435/252.35 A61K039/02 C12N001/21.

☐ 14. 20020068068. 09 Aug 01. 06 Jun 02. Method of creating antibodies and compositions used for same. Mahan, Michael J., et al. 424/200.1; 424/257.1 424/258.1 424/261.1 A61K039/108 A61K039/112 A61K039/106 A61K039/02.

☐ 15. 20020022718. 19 Dec 00. 21 Feb 02. Genes identified as required for proliferation of E. coli. Forsyth, R. Allyn, et al. 536/23.1; 435/183 435/325 435/6 435/69.1 C07H021/02 C07H021/04 C12Q001/68 C12N009/00 C12P021/02 C12N005/06.

☐ 16. 6846651. 03 Jun 02; 25 Jan 05. Nucleotide sequence of the Haemophilus influenzae Rd genome, fragments thereof, and uses thereof. Fleischmann; Robert D., et al. 435/69.1; 435/252.3 435/320.1 536/23.7. C12N015/63 C12N001/21 C12N015/31.

☐ 17. 6528289. 23 Aug 00; 04 Mar 03. Nucleotide sequence of the Haemophilus influenzae Rd genome, fragments thereof, and uses thereof. Fleischmann; Robert D., et al. 435/91.41; 435/252.3 435/320.1 435/6 536/23.1 536/23.7. C12N015/64.

☐ 18. 6506581. 25 Apr 00; 14 Jan 03. Nucleotide sequence of the Haemophilus influenzae Rd genome, fragments thereof, and uses thereof. Fleischmann; Robert D., et al. 435/69.1; 435/252.3 435/320.1 435/69.3 435/91.41 536/23.7. C12N001/21 C12N015/31 C12N015/63.

☐ 19. 6495661. 21 Jul 98; 17 Dec 02. DNA encoding the outer membrane protein of Pasteurella multocida. Glisson; John Robert, et al. 530/300; 530/317 530/325 530/326 530/350 930/200 930/270. C07K004/00 C07K005/00 C07K007/00 C07K016/00 A61K038/12.

☐ 20. 6468765. 07 Jun 95; 22 Oct 02. Selected Haemophilus influenzae Rd polynucleotides and polypeptides. Fleischmann; Robert D., et al. 435/69.1; 435/252.3 435/320.1 435/6 536/23.1 536/23.7 536/24.32. G12P021/02.

☐ 21. 6355450. 07 Jun 95; 12 Mar 02. Computer readable genomic sequence of Haemophilus influenzae Rd, fragments thereof, and uses thereof. Fleischmann; Robert D., et al. 435/69.1; 435/252.3 435/320.1 435/851 536/23.1 536/23.7 536/24.32 536/24.33. C12P021/06 C12N001/20 C12N015/00 C07H021/04.

☐ 22. 6146635. 16 Sep 97; 14 Nov 00. System for the expression of heterologous antigens as fusion proteins. Cano; Carlos Antonio Durate, et al. 424/192.1; 424/184.1 424/185.1 424/190.1 424/208.1 424/249.1 424/250.1 530/350 530/820 530/825. A61K039/00 A61K039/02 A61K039/21 A61K039/095.

☐ 23. US20020077272A. Reducing bacterial virulence using an agent that alters the bacteria's native level of DNA methyltransferase activity. HEITHOFF, D M, et al. A61K031/00 A61K031/52.

Generate Collection | Print

Term	Documents
NEISSERIA	7390
NEISSERIUM	1
NEISSERIUMS	0
NEISSERIAS	7
MENINGITIS	9637
MENINGITI	5

YERSINIA	4792
YERSINIUM	1
YERSINIUMS	0
YERSINIAS	7
SHIGELLA	9983
(L1 AND (BORDETELL$ OR NEISSERIA OR MENINGITIS OR YERSINIA OR SHIGELLA OR PASTEURELL$ OR HEMOPHILUS OR HAEMOPHILUS OR TREPONEMA).TI,AB,CLM.).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	23

There are more results than shown above. Click here to view the entire set.

Prev Page Next Page Go

PGPUB-DOCUMENT-NUMBER: 20050079618
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050079618 A1

TITLE: Host cells deficient for mismatch repair and their use in methods for inducing homologous recombination using single-stranded nucleic acids

PUBLICATION-DATE: April 14, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Court, Donald L.	Frederick	MD	US
Li, Xin-tian	Bejing	MD	CN
Huang, Jian-Dong	Hong Kong		CN
Costantino, Nina	Frederick		US
Liu, Depei	Beijing		CN

ASSIGNEE-INFORMATION:

NAME	CITY STATE COUNTRY TYPE CODE
The Government of the USA as represented by the Secretary of the Dept of Health and Human Services	02

APPL-NO: 10/841125 [PALM]
DATE FILED: May 7, 2004

RELATED-US-APPL-DATA:
non-provisional-of-provisional 60469494 20030509 US

FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	DOC-ID	APPL-DATE
WO	PCT/US03/14657	2003WO-PCT/US03/14657	May 9, 2003

INT-CL: [07] C12 N 15/74

US-CL-PUBLISHED: 435/471; 435/488
US-CL-CURRENT: 435/471; 435/488

REPRESENTATIVE-FIGURES: NONE

ABSTRACT:

Methods are disclosed herein for inducing homologous recombination

. 20050142576. 04 Aug 04. 30 Jun 05. Methods for preparation of a nucleic acid for analysis. Sorge, Joseph A.. 435/6; 435/91.2 C12Q001/68 C12P019/34.

☐ 2. 20050130161. 04 Mar 05. 16 Jun 05. Tagging and recovery of elements associated with target molecules. Fraser, Peter, et al. 435/6; 702/20 705/3 G06F017/60 C12Q001/68 G06F019/00 G01N033/48 G01N033/50.

☐ 3. 20050119201. 30 Jan 04. 02 Jun 05. Inhibitor of dna methylation. Selker, Eric U, et al. 514/44; 514/269 514/49 A61K031/7072 A61K048/00 A61K031/513.

☐ 4. 20050079618. 07 May 04. 14 Apr 05. Host cells deficient for mismatch repair and their use in methods for inducing homologous recombination using single-stranded nucleic acids. Court, Donald L., et al. 435/471; 435/488 C12N015/74.

☐ 5. 20040214197. 17 Nov 03. 28 Oct 04. Method of preparing polynucleotide fragments for use in shuffling, and shuffling of same. Dupret, Daniel, et al. 435/6; 435/455 435/91.2 C12Q001/68 C12P019/34 C12N015/85.

☐ 6. 20040091911. 10 Jul 03. 13 May 04. Recombinant type II restriction endonucleases, MmeI and related endonucleases and methods for producing the same. Morgan, Richard D., et al. 435/6; 435/199 435/252.3 435/320.1 435/69.1 536/23.2 C12Q001/68 C07H021/04 C12N009/22 C12N001/21 C12N015/74.

☐ 7. 20040091878. 17 Jan 03. 13 May 04. Zinc finger domain recognition code and uses thereof. Sera, Takashi. 435/6; 435/226 435/320.1 435/325 435/69.1 536/23.2 C12Q001/68 C07H021/04 C12N009/64.

☐ 8. 20040014083. 24 Feb 03. 22 Jan 04. Detection of heteroduplex polynucleotides using mutant nucleic acid repair enzymes with attenuated catalytic activity. Yuan, Chong-Sheng, et al. 435/6; C12Q001/68.

☐ 9. 20040010821. 27 Aug 02. 15 Jan 04. Stress tolerance and delayed senescence in plants. McCourt, Peter, et al. 800/289; 435/193 435/6 A01H001/00 C12N015/82 C12Q001/68 C12N009/10.

☐ 10. 20030212455. 11 Mar 03. 13 Nov 03. Identification of in vivo dna binding loci of chromatin proteins using a tethered nucleotide modification enzyme. Van Steensel, Bas, et al. 623/6.6; 424/427 435/6 A61F002/16 C12Q001/68 A61F002/00.

☐ 11. 20030192068. 11 Jun 02. 09 Oct 03. Production of recombinant polypeptides by bovine species and transgenic methods. DeBoer, Herman A., et al. 800/15; 435/320.1 435/325 435/455 435/69.1 536/23.2 A01K067/027 C07H021/04 C12P021/02 C12N005/06 C12N015/85.

☐ 12. 20030129603. 24 Oct 01. 10 Jul 03. Databases of regulatory sequences; methods of making and using same. Wolffe, Alan P., et al. 435/6; 435/270 536/25.4 C12Q001/68 C07H021/04.

☐ 13. 20030082561. 23 Jan 02. 01 May 03. Zinc finger domain recognition code and uses thereof. Sera, Takashi. 435/6; 435/226 435/320.1 435/455 435/69.1 435/7.1 C12Q001/68 G01N033/53 C12N009/64 C12P021/02 C12N015/87.

☐ 14. 20030003472. 20 Feb 02. 02 Jan 03. Mismatch repair detection. Cox, David R., et al. 435/6; 435/471 435/484 435/488 C12Q001/68 C12N015/74.

☐ 15. 20020192669. 01 Nov 01. 19 Dec 02. Methods for preparation of nucleic acid for analysis. Sorge, Joseph A.. 435/6; 435/91.2 C12Q001/68 C12P019/34.

☐ 16. 20020187527. 28 Dec 01. 12 Dec 02. Method for producing therapeutic DNA. Crouzet, Joel, et al. 435/91.1; 435/193 435/252.3 536/23.2 C12P019/34 C07H021/04 C12N009/10 C12N001/21.

☐ 17. 20020081603. 27 Apr 01. 27 Jun 02. Databases of regulatory sequences; methods of making and using same. Wolffe, Alan, et al. 435/6; 435/91.2 C12Q001/68 C12P019/34.

☐ 18. 6610489. 27 Apr 01; 26 Aug 03. Pharmacogenomics and identification of drug targets by reconstruction of signal transduction pathways based on sequences of accessible regions. Wolffe; Alan, et al. 435/6; 435/7.1. C12Q001/68 G01N033/00.

☐ 19. 6410273. 11 Dec 98; 25 Jun 02. Method for producing methylated DNA. Crouzet; Joel, et al. 435/91.1; 435/320.1 435/455 536/23.1 536/23.7. C12N015/00 C12N015/63 C12P019/34 C07H021/02 C07H021/04.

☐ 20. 6399856. 19 Nov 98; 04 Jun 02. Reversible nuclear genetic system for male sterility in transgenic plants. Cigan; Andrew M., et al. 800/274; 536/24.1 800/275 800/278. A01H001/00 A01H001/022 A01H015/82.

☐ 21. 6372434. 01 May 00; 16 Apr 02. Methods for reducing the complexity of DNA sequences. Weissman; Sherman, et al. 435/6; 435/875 435/91.1 435/91.2 536/23.1 536/24.3 536/24.33. C12Q001/68 C12P019/34 C12N001/00 C07H021/02 C07H021/04.

☐ 22. 6287825. 17 Sep 99; 11 Sep 01. Methods for reducing the complexity of DNA sequences. Weissman; Sherman, et al. 435/91.2; 435/6 435/91.1 436/94 536/23.1 536/24.3 536/24.33. C12P019/34 C12Q001/68 G01N033/00 C07H021/02 C07H021/04.

☐ 23. 6281348. 17 Mar 97; 28 Aug 01. Reversible nuclear genetic system for male sterility in transgenic plants. Cigan; Andrew M., et al. 536/24.1; 536/23.1 536/23.6 800/271 800/272 800/303. C12N015/00 C12N015/05 C07H021/02 C07H021/04.

☐ 24. 6248935. 28 Nov 97; 19 Jun 01. Reversible nuclear genetic system for male sterility in transgenic plants. Cigan; Andrew M., et al. 800/267; 536/23.6 536/23.7 536/24.1 800/266 800/271 800/274. C12N001/00 A01H005/00 A01H005/04.

☐ 25. 6168918. 31 Jan 96; 02 Jan 01. Method of detecting foreign DNA integrated in eukaryotic chromosomes. Satishchandran; C., et al. 435/6; 435/912 536/23.1. C12Q001/68 C12P019/34 C07H021/02.

☐ 26. 6150112. 17 Sep 99; 21 Nov 00. Methods for identifying DNA sequences for use in comparison of DNA samples by their lack of polymorphism using Y shape adaptors. Weissman; Sherman, et al. 435/6; 435/91.1 435/91.2 536/23.1 536/24.2. C12Q001/68 C07H021/02.

☐ 27. 6072102. 28 Nov 97; 06 Jun 00. Reversible nuclear genetic system for male sterility in transgenic plants. Cigan; Andrew M., et al. 800/274; 536/24.1 800/271 800/275 800/285 800/288. A01H001/00 C12M015/00.

☐ 28. 6037523. 23 Jun 97; 14 Mar 00. Male tissue-preferred regulatory region and method of using

same. Albertsen; Marc C., et al. 800/287; 435/419 536/23.6 536/24.1 800/268 800/271 800/274 800/298 800/303. C12N015/00 C12N005/00 A01H001/06 A01H004/00.

☐ 29. 6004750. 04 Aug 97; 21 Dec 99. Nucleic acid clamps. Frank-Kamenetskii; Maxim D., et al. 435/6; 435/183 435/69.1 435/91.1 536/23.1 536/24.31 536/24.32. C12Q001/68 C12P021/00 C12N009/00 C07H021/04.

☐ 30. 5894060. 27 Jun 97; 13 Apr 99. Cloning method for trapping human origins of replication. Boulikas; Teni. 435/6;. C12Q001/68.

☐ 31. 5872104. 27 Dec 94; 16 Feb 99. Combinations and methods for reducing antimicrobial resistance. Vermeulen; Nicolaas M. J., et al. 514/29; 514/30 514/35 514/46. A61K031/70.

☐ 32. 5837851. 07 Jun 95; 17 Nov 98. DNA promoter 5126 and constructs useful in a reversible nuclear genetic system for male sterility in transgenic plants. Cigan; Andrew M., et al. 536/24.1; 536/23.1 536/27.1. C07H021/04 C12N015/63.

☐ 33. 5795753. 07 Jun 95; 18 Aug 98. Reversible nuclear genetic system for male sterility in transgenic plants. Cigan; Andrew M., et al. 800/274; 536/24.1 800/275 800/287 800/293 800/303 800/320.1. C12N015/00 A01H001/06 A01H005/00.

☐ 34. 5792853. 07 Jun 95; 11 Aug 98. Reversible nuclear genetic system for male sterility in transgenic plants. Cigan; Andrew M., et al. 536/24.1; 47/DIG.1 536/23.1 536/23.6 800/303. C07H021/02 C07H021/04 C12N015/00 C12N015/05.

☐ 35. 5750868. 08 Dec 94; 12 May 98. Reversible nuclear genetic system for male sterility in transgenic plants. Cigan; Andrew M., et al. 800/274; 435/424 435/430 47/DIG.1 536/24.1 536/27.1 800/287 800/303. C12H015/00 C12H015/05 A01H001/06 A01H004/00.

☐ 36. 5689049. 07 Jun 95; 18 Nov 97. Transgenic plant and method for producing male sterility using anther specific promoter 5126. Cigan; Andrew M., et al. 800/287; 47/DIG.1 536/24.1 800/303. C12N015/00 C12N015/05 A01H001/06 A01H004/00.

☐ 37. US20020086332A. Reducing virulence or pathogenicity of bacteria, by contacting bacteria with an agent that alters the native level of DNA methyltransferase activity of bacteria or administering the agent to bacteria. HEITHOFF, D M, et al. G01N033/53.

☐ 38. US 6168918B. Detecting the integration of foreign DNA, such as plasmid or viral genomic DNA, into eukaryotic cells, useful for monitoring gene therapy and genetic immunization. CICCARELLI, R B, et al. C07H021/02 C12P019/34 C12Q001/68.

☐ 39. US 6150112A. Comparing DNA samples to identify sequences of low polymorphism comprises amplification after forming perfectly matched heterohybrids between methylated and nonmethylated strands. LASKEN, R, et al. C07H021/02 C12Q001/68.

☐ 40. 1344043. 22 Jun 20. Automatic gate-operating means for dams. WITT JUSTIN JOEL DE. 405/92;.

Generate Collection | Print

Term	Documents
(6 NOT 3).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	40
(L6 NOT L3).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	40

Prev Page Next Page